

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"10/925,718"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 09:34
L4	0	"magnetic anisotropy having an axis of easy magnetization in a circumferential direction"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 11:26
L5	201	(magnetic with anisotropy) same magnetization same circumferential	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 11:28
L6	61	5 and underlayer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 11:28
L7	10	5 and underlayer same Cr same Mn	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 11:28
S1	2	"20070122659"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:03
S2	26	"5993956"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:06
S3	36	("20010031383" "20040037005" "5993956" "6667051")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:06
S4	37	S1 S2 S3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:08
S5	233	428/831.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:08
S6	148	428/832.2.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:09

## EAST Search History

S7	395	S4 S5 S6	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:09
S8	280	S7 and under\$1layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:09
S9	282	S7 and (under\$1layer, seed\$1layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:10
S10	252	S9 and protect\$3 with layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:11
S11	155	S10 and (texture, waviness, topography, convex, concave, roughness)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:12
S12	20829	S11 and non\$1magnetic under\$1layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:13
S13	155	S11 and (non\$1magnetic under\$1layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:14
S14	23	S11 and (non\$1magnetic with under\$1layer with Cr and Mn)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:15
S15	19	S14 and (Cr and Ti)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:16
S16	16	S14 and (Cr and Ti) with underlayer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:16
S17	14	S16 and (Co with W, Co with Mo, Co with Ta, Co with Nb, Ni with Ta, Ni with Nb, Fe with W, Fe with Mo, Fe with Nb) SAME alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:21
S18	14	S17 and (Co with Cr, Co with Cr with Ta, Co with Cr with Ru, Co with Cr with Zr, Co with Cr with Pt) same alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:25

## EAST Search History

S19	0	S18 and (Co with Cr with Pt, Co with Cr with Pt with Ta, Co with Cr with Pt with B, Co with Cr with Pt with B with Ta, Co with Cr with Pt with B with Cu) same "alloy."	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:32
S20	0	S18 and (Co with Cr with Pt) same "alloy."	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:30
S21	0	S18 and (Co same Cr same Pt) same "alloy."	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:31
S22	0	S13 and (Co same Cr same Pt) same "alloy."	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:31
S23	11	S18 and (Co with Cr with Pt, Co with Cr with Pt with Ta, Co with Cr with Pt with B, Co with Cr with Pt with B with Ta, Co with Cr with Pt with B with Cu)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:32
S24	10	S18 and (Co with Cr with Pt, Co with Cr with Pt with Ta, Co with Cr with Pt with B, Co with Cr with Pt with B with Ta, Co with Cr with Pt with B with Cu) same alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:33
S25	9	S24 and (two, three, mutiple, multi\$5) with under\$1layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:35
S26	8	S25 and Ru	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/26 09:34
S27	8	S26 and (cr with mn with mo)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:36
S28	7	S27 and (underlayer with B)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:37
S29	2	S28 and oxygen	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/20 18:37

## EAST Search History

S30	2	"20070122659"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S31	26	"5993956"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S32	36	("20010031383" "20040037005" "5993956" "6667051")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S33	37	S30 S31 S32	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S34	233	428/831.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S35	148	428/832.2.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S36	395	S33 S34 S35	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S37	282	S36 and (under\$1layer, seed\$1layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S38	252	S37 and protect\$3 with layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S39	155	S38 and (texture, waviness, topography, convex, concave, roughness)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S40	23	S39 and (non\$1magnetic with under\$1layer with Cr and Mn)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S41	16	S40 and (Cr and Ti) with underlayer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52

## EAST Search History

S42	14	S41 and (Co with W, Co with Mo, Co with Ta, Co with Nb, Ni with Ta, Ni with Nb, Fe with W, Fe with Mo, Fe with Nb) SAME alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S43	14	S42 and (Co with Cr, Co with Cr with Ta, Co with Cr with Ru, Co with Cr with Zr, Co with Cr with Pt) same alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S44	10	S43 and (Co with Cr with Pt, Co with Cr with Pt with Ta, Co with Cr with Pt with B, Co with Cr with Pt with B with Ta, Co with Cr with Pt with B with Cu) same alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S45	9	S44 and (two, three, mutiple, multi\$5) with under\$1layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S46	8	S45 and Ru	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S47	8	S46 and (cr with mn with mo)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S48	7	S47 and (underlayer with B)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:52
S49	2	S48 and oxygen	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:54
S50	2	S49 and non\$1magnetic with underlayer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 08:54
S51	1	(US-6878459-\$).did.	USPAT	OR	ON	2007/12/21 10:01
S52	1	S51 and magnetic with protective	USPAT	OR	ON	2007/12/21 10:02
S53	1	(US-20050191524-\$).did.	US-PGPUB	OR	ON	2007/12/21 10:02
S54	0	S53 and magnetic with protective	US-PGPUB	OR	ON	2007/12/21 10:02
S55	1	S53 and magnetic with lubricant	US-PGPUB	OR	ON	2007/12/21 10:12
S56	1	S55 and Co with W	US-PGPUB	OR	ON	2007/12/21 10:20
S57	1	S55 and Co with (W, Cr, Ta, Ru, Zr, Pt)	US-PGPUB	OR	ON	2007/12/21 11:18
S58	1	S57 and Co with (W, Mo, Ta, Nb)	US-PGPUB	OR	ON	2007/12/21 11:31

## EAST Search History

S59	1	S58 and Cr with Mn with Mo with alloy	US-PGPUB	OR	ON	2007/12/21 11:32
S60	2	"20070122659"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 11:52
S61	20009	Osawa.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 12:44
S62	382	S61 and magnetic adj record\$3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 12:44
S63	8	S62 and Cr.clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 12:45
S64	1	S63 and Mn.clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/21 12:45